

NOTE: MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

MD 650  
(NEW HAMPSHIRE AVE.)

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POWDER MILL  
ROAD

#### GEOMETRIC CONSTRUCTION DETAILS

- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) WITH DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40)
- INSTALL DEPRESSED STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02). AND TIE IT TO EXISTING CURB AND GUTTER
- INSTALL (MIN) 5 FT. WIDE SIDEWALK AND TIE IT TO EXISTING SIDEWALK
- INSTALL STANDARD TYPE A CURB/GUTTER (STANDARD NO. MD 620.02).
- INSTALL CUT-THROUGH MEDIAN (STANDARD NO. MD 655.21)
- INSTALL STANDARD TYPE A CATCH-UP CURB AND GUTTER (STANDARD NO. MD 620.02).

#### APS NOTES

- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- THE 10' SEPERATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUS BUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- APS WILL FUNCTION AS FOLLOWS:  
A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE "WAIT TO CROSS NEW HAMPSHIRE AT POWDER MILL".  
B. WHEN THE "WALK" PHASE BEGINS, THE PUSHBUTTON UNIT WILL PROVIDE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

#### TO CROSS POWDER MILL ROAD

- WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE "WAIT TO CROSS POWDER MILL AT NEW HAMPSHIRE".
  - WHEN THE "WALK" PHASE BEGINS, THE PUSHBUTTON UNIT WILL PROVIDE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.
6. ALL TRUNCATED DOMES (ON DETECTABLE WARNING SURFACES) ARE TO BE INSTALLED TO ALIGN WITH THE CROSSWALK.

TOD NO:XX444-21M  
SHA NO:MD526A5D/85D  
MD 650 @ ELTON RD

**SHA**

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 650 (NEW HAMPSHIRE AVENUE) AT POWDER MILL ROAD  
TRAFFIC SIGNAL MODIFICATION

#### GEOMETRIC PLAN SHEET

SCALE 1"=10' ADVERTISED DATE 06-01-09 CONTRACT NO. XX4445185

DESIGNED BY \_\_\_\_\_ COUNTY MONTGOMERY  
DRAWN BY NG LOGMILE 15065003.46  
CHECKED BY JB TMS NO. 1731  
F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_

TS NO. 1354E DRAWING - OF SHEET NO. 5 OF 6

**BAI**

**BRUDIS & ASSOCIATES, INC.**  
Consulting Engineers  
9220 Rumsey Road, Suite 110  
Columbia, Maryland 21045  
Phone 410-856-3077  
www.brudis.com

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#### GEOMETRIC LEGEND

----- EXISTING  
===== PROPOSED

#### UTILITY LEGEND

SD STORM DRAIN  
G GAS MAIN  
W WATER MAIN  
S SEWER MAIN  
E ELECTRIC CABLES  
A AERIAL CABLES  
T TELEPHONE CABLES  
F FIBER-OPTIC